"Replaceable Sequenced One-Time Pads

for Detection of Cloned Service Client"

ABSTRACT OF THE DISCLOSURE

[0097[A client device authenticated a one-time pad table stored in the client device, and a matching table maintained by a service provider. When a request for service is posted from the client to the service provider, the next unused pad is exchanged and verified with the current state of the service provider's copy of the table. If the OTP is the next unused code, service is granted, else the user is challenged to identify himself, which when successfully completed results in the client device being downloaded with a new OTP table, replacing the compromised table. Use of service by a cloned device causes the OTP table at the service provider to become out of synchronization with the authentic device's copy of the table, thereby setting up the ability to detect the fraud, stop the service consumption by the clone, and reprogram the authentic device to allow for uninterrupted service.